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DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
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October 27, 1980

Kennecott Minerals Company
2300 West 1700 South
Salt Lake City, Utah 84104

ATTENTION: W. D. Southard

RE: Mercur Limestone Mine

ACT/045/011

DOE/045/016

Gentlemen:

The Division is in receipt of the proposed mining and reclamation plan for the above-noted mine. The staff has reviewed this plan and found that additional information concerning the mining plan is required to fully evaluate it.

At this time, it is the intention of the Division to proceed with the approval process. However, the following items need addressing:

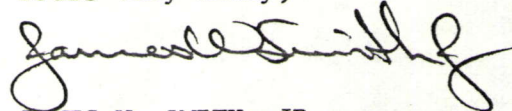
- 1) The map submitted on October 23, 1980, showing the area to be disturbed during the initial one-year operation, does not delineate the site where topsoil will be stockpiled. Topsoil cannot be stockpiled with overburden.
- 2) From your letter and map, the Division understands that the road marked "Initial Entry" and the area cross-hatched with pink lines are to be the only areas which will be disturbed in the initial one-year operation. These areas have been planimetered and consist of .58 acres. This is not consistent with the mining plan, which states that 5.1 acres will be disturbed. Please clarify this discrepancy.
- 3) Cross-sections A and B on the map were not provided but are needed to show the pre-and postmining contours to further explain the mining and reclamation procedures.
- 4) A commitment to place blasting signs along the public road is needed if blasting is to be the mining method.
- 5) The mining plan does not actually explain the procedure of mining. Provide further explanation of the mining sequence.

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- 6) The Division would like a clarification of the five percent vegetation cover figure for the site. It is important that this figure be correct since surety release will be based on revegetation success at the 70 percent level of the original cover.
- 7) A bond has been estimated for a five acre, one-year mine, based on existing information. This estimate is attached. Concerning the form of the surety, the contract form is in question. The land-ownership is public domain and the surety must be considered for this operation in and of itself. Therefore, a bond, escrow account or letter of credit would be acceptable.

If you have any questions, please call Mary Ann Wright of my staff.

Yours very truly,



JAMES W. SMITH, JR.
COORDINATOR OF MINED
LAND DEVELOPMENT

Enclosure

JWS/btm

DIVISION OF OIL, GAS, AND MINING

BOND ESTIMATE

OPERATOR: Kennecott Minerals Corporation
 MINE NAME: Mercur Limestone Mine ACT/045/011
 LOCATION: Sec. 11. T. 6 S., R. 4 W.
 COUNTY: Tooele
 DATE: October 24, 1980

	Operation	Amount	Rate	Cost
A.	CLEAN-UP			
	1. Removal of structures & equipment.			
	2. Removal of trash & debris.			
	3. Leveling of ancillary facilities pads and access roads.	1.6 acres	Lump Sum	\$ 500.00
B.	REGRADING & RECONTOURING			
	1. Earthwork including haulage and grading of spoils, waste and overburden.			
	2. Recontouring of highwalls and excavations.			
	3. Spreading of soil or surficial materials.	5.4 acres	\$250/acre	'1,350.00
C.	STABILIZATION			
	1. Soil preparation, scarification, fertilization, etc.	5.4 acres	\$100/acre	540.00
	2. Seeding or planting.	5.4 acres	\$75/acre	405.00
	3. Construction of terraces, water-bars, etc.	5.4 acres	Lump Sum	500.00
D.	LABOR			
	1. Supervision.	3 days	\$12/hour	300.00
	2. Labor exclusive of bulldozer time.			
E.	SAFETY			
	1. Erection of fences, portal coverings, etc.			
	2. Removal or neutralization of explosive or hazardous materials.			
F.	MONITORING			
	1. Continuing or periodic monitoring, sampling & testing deemed necessary.	2-3 inspections	Lump Sum	300.00
	SUBTOTAL			<u>\$3,895.00</u>
G.	OTHER			
	13% Inflation Rate for 5 years.			<u>\$3,281.00</u>
	TOTAL			<u>\$7,176.00</u>